Claims:

1. Machine for sealing containers (1) with a container sealing unit, which is located after a unit (2) for feeding containers to be sealed, which comprises an accumulation conveyor (3) located upstream of the sealing unit and driven by motor means (8) and a feeder conveyor (4), which feeds containers to the accumulation conveyor (3) and driven by motor means (13), characterized in that it further comprises a first sensor (5) preferably in the end-zone (6) of the conveyor (4), detecting, preferably the front edge (7), of the container (1) and preferably detection means (9) to detect the speed of motion of the feeder conveyor (4) and that the first sensor (5) and preferably the detection means (9) are connected to a control unit, which controls the motor means (8) such that the desired gap (11) is created between two adjacent containers (1) on the accumulation conveyor (3) and that the speed of the accumulation conveyor (3) and of the feeder conveyor (4) are synchronized during at least a partial handing over of the containers (1) from the feeder conveyor (4) to the accumulation conveyor (3).

2. Machine according to claim 1, characterized in, that comprises a second sensor (10) upstream of the first sensor, which detects the distance (12) between two containers on the feeder conveyor (4).

3. Machine according to claim 2 characterized in, that the second sensor (10) is connected to the control unit, which reduces the speed of the feeder conveyor (4) if the distance (12) of two containers on the feeder conveyor (4) is significantly smaller than the minimum gap needed for the handover of tray 1 before tray 1´ is coming to the handover position as well.

4. Machine according to anyone of the preceding claims, characterized in, that the motor means (8, 13) are servo motors.

5. Machine according to claim 1, characterized in, that the feeder conveyor (4) operates at continuous or random speed.

6. Machine according to anyone of the preceding claims, characterized in, that it comprises pusher arms, which can be detachably associated with multiple containers on the accumulation conveyor (3) to transfer the containers (1) to the sealing unit.

7. Machine according to claim 6, characterized in, that the transfer is carried out while the accumulation conveyor (3) stands still.